CMAP's Advanced Travel Model Cadre

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CATMUG

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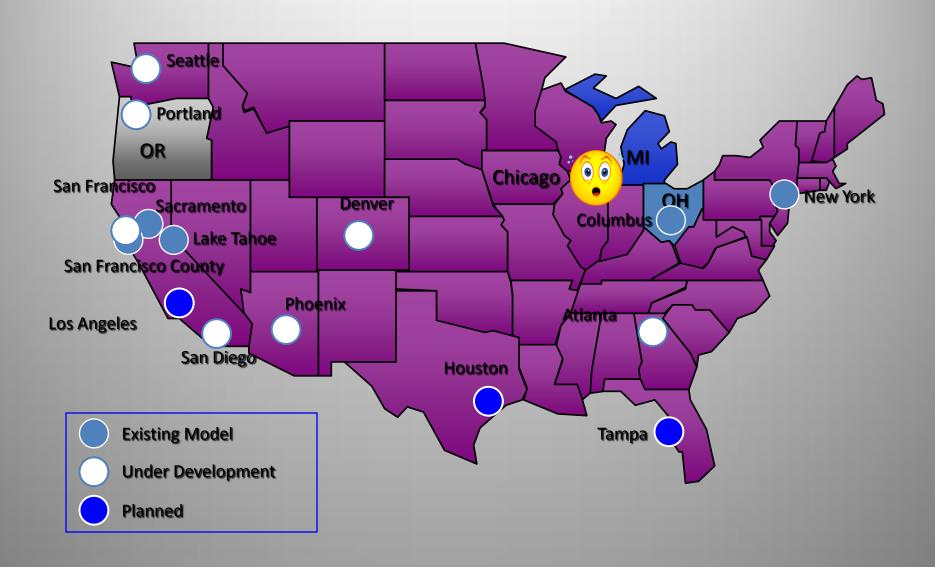
Activity-Based Model Application

The Main Difference

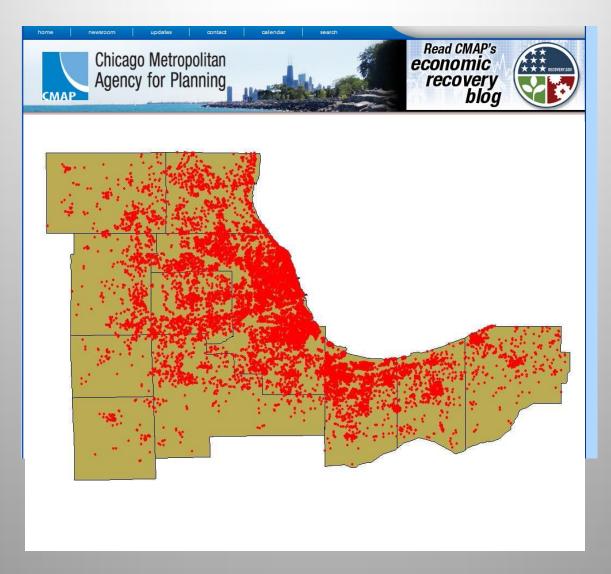
...and Advantage

Modern activity-based models are applied by simulating each person individually, estimating their activities, locations, sequencing, and travel between activities.

U.S. Activity-Based Models



Survey or Model first?



2007 Travel Tracker Survey

Priced Route - Peak Period	Priced Route - Other Periods	Free Route - Peak Period	Free Route - Other Periods	Public Transit
Travel between 6 AM and 9 AM	Travel before 6 AM or after 9 AM	Travel between 6 AM and 9 AM	Travel before 6 AM or after 9 AM	Travel at any time of day
Fuel cost and parking are the same as now	Fuel cost and parking are the same as now	Fuel cost and parking are the same as now	Fuel cost and parking are the same as now	The service runs every 30 minutes
The toll charge is \$3.00	The toll charge is \$1.00	No toll charge	No toll charge	The one-way fare is \$1.50
TRAVEL TRACKER SUR usual rel time is Your Travel Counts!		The usual travel time is 45 minutes	The usual travel time is 45 minutes	The usual travel time is 55 minutes - 10 walk to stop
ISENDE IS SENDE IN SOURCE IN YOUR SO				-5 wait at stop -35 ride in bus -5 walk from stop

One out of 10 times.

the travel time is 55

min or longer

travel time is 40

or longer

Chicago Metropolitan Agency for Planning

PHASE 1 QUESTIONNAIRE

This questionnaire begins the survey process by asking about your household in general, the people in your nousehold, and information about your typical travel in the Chicago region. Be sure to provide the phone numbe where we can best reach you to complete the interview and schedule your travel day.

Please complete and mail back the questionnaire, or call us toll-free (877-261-4621) to provide the information, or enter the information online at the web address provided in the enclosed letter and on the label below.

QUESTIONS BEGIN ON THE OTHER SIDE

THANK YOU!

Your participation will help make a difference for the future of transportation in the greater Chicago region.

Survey requirements of advanced models

Revealed Preference
Stated Preference
Real Time movements



One out of 10 times.

the travel time is 45

min or longer

One out of 10 times.

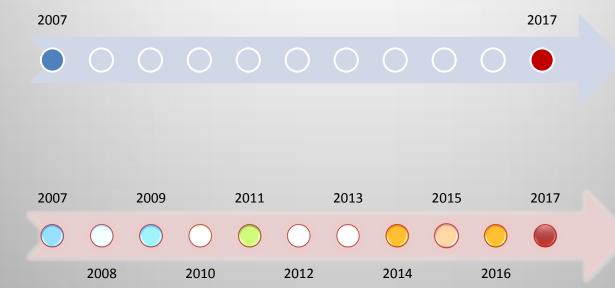
the travel time is 70

min or longer

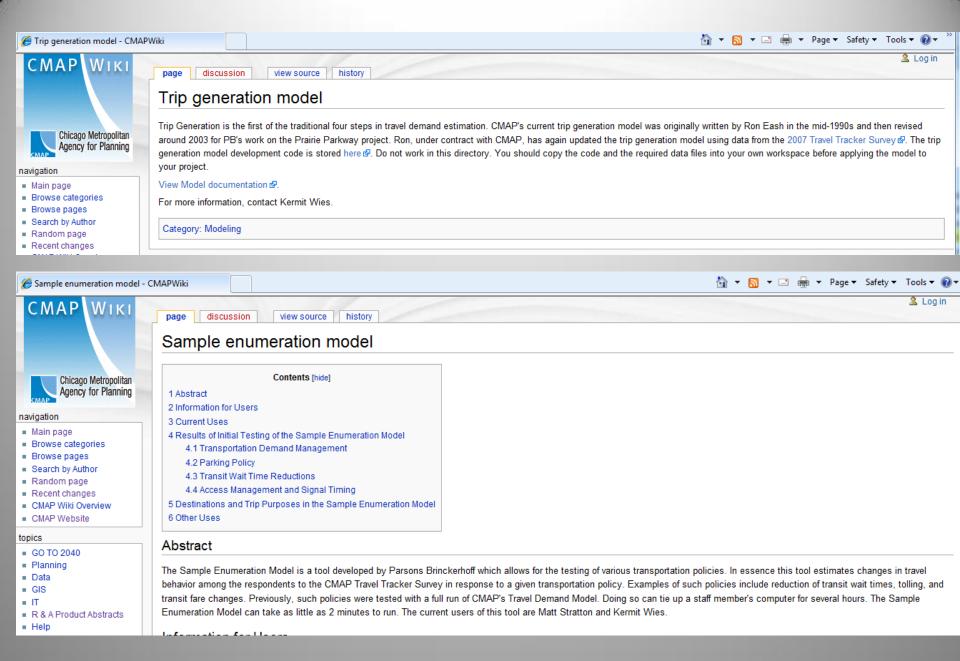


GPS Trace





CMAP Survey Program: Snapshot vs. ongoing



Uses of the survey so far



Sign up for CMAP Updates

- about
- committees
- community assistance
- + GO TO 2040
- other planning activities
- publications
- regional data















CMAP Regional Planning: Activity Based Travel Demand Model Symposium

August 27, 2008

Agency for Planning

Introduction

(Symposium Agenda)

CMAP was formed in 2005 to integrate land use and transportation planning for the Chicago Region.

As part of our Strategic Vision 1 we are to "serve as the region's authoritative source for regional data collection, exchange, dissemination, analysis, evaluation, and modeling." CMAP recognizes that "robust forecasting and modeling tools are critical to scenario-based planning activities. CMAP intends to preserve its pioneering legacy in developing regional planning applications that predict the interactions of land use, the enviornment, and transportation. In addition, CMAP will also undertake new forecasting and modeling research to imporve decision makers' understanding of how private decisions and public policy interact and determine regional development patterns."

Consistent with this vision, CMAP is conducting a one day symposium convening leading U.S. authorities in the development of "activitiy-based travel models" for regional planning. The proceedings of this symposium will greatly assist CMAP in preparing its ongoing model development work program.

Panelists



Activity Based Models have many more moving parts